EAST Search History

Ref #	Hits	Search Query	DBs	Default Operato r	Plural s	Time Stamp
L1	20	fermentation same thiazolidine	US-PGPUB ; USPAT	OR	ON	2006/12/12 16:59
L2	35	fermentation same thiazolidine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/12 17:08
L3	0	("2002086373").PN.	US-PGPUB ; USPAT	OR	OFF	2006/12/12 17:07
L4	1	("20020086373").PN.	US-PGPUB ; USPAT	OR	OFF	2006/12/12 17:07
L5	2892	fermentation same cysteine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/12 17:09
L6	149	fermentation same cysteine and animal same feed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/12 17:10
L7	16	fermentation same (liquor or broth) same cysteine and animal same feed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/12 17:15
L8		fermentation same (liquor or broth) same cystine and animal same feed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/12 17:17
L9	0	fermentation same (liquor or broth) same thiazolidine adj4 dicarboxyl\$4 and animal same feed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/12 17:18

PΙ

US 2005176112

DE 102004005836

A1

A1

20050811

20050915

US 2004-794417

DE 2004-102004005836

20040308

20040206

```
WO 2005-EP767
      WO 2005075627
                                         20050818
                                                                                      20050127
                                 A1
                AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
                CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
                GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
                LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
                NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
                TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
           RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
                AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
                EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
                RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
                MR, NE, SN, TD, TG
                                         20061018
                                                       EP 2005-701199
      EP 1711593
                                 A1
                AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
                                         20040206
PRAI DE 2004-102004005836 A
      WO 2005-EP767
                                         20050127
      CASREACT 143:210515
os
      The invention relates to a process for the preparation of L-amino acids by the
AB
      fermentation of recombinant microorganisms of the family Enterobacteriaceae,
      characterized in that the microorganisms producing the desired L-amino
      acid in which the yibD ORF, or nucleotide sequences coding for the gene
      product, or alleles, is (are) enhanced and, in particular, overexpressed
      are cultivated in a medium under conditions in which the desired L-amino
      acid is enriched in the medium or in the cells, and the desired L-amino
      acid is isolated, constituents of the fermn. broth,
      and/or all or part (≥ 100%) of the biomass, optionally
      remaining in the isolated product or being completely removed.
      ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
L5
      2005:611760 CAPLUS
ΑN
DN
      143:131934
ΤI
      Process for preparing L-amino acids using strains of the
      Enterobacteriaceae family overexpressing gene yaaU
IN
      Dusch, Nicole
PA
      Germany
SO
      U.S. Pat. Appl. Publ., 22 pp.
      CODEN: USXXCO
DT
      Patent
LΑ
      English
FAN.CNT 1
      PATENT NO.
                                KIND
                                         DATE
                                                        APPLICATION NO.
                                                                                      DATE
                                ----
                                                         -----
PΙ
      US 2005153403
                                A1
                                         20050714
                                                        US 2004-17120
                                                                                      20041221
      DE 10361268
                                A1
                                         20050728
                                                        DE 2003-10361268
                                                                                      20031224
           2005064000 Al 20050714 WO 2004-EP14082 20041210
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG
      WO 2005064000
                                         20050714
                                                        WO 2004-EP14082
                                A1
                                                                                      20041210
                                                       EP 2004-803729
                                         20060906
      EP 1697530
                                 A1
                                                                                      20041210
                AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
PRAI DE 2003-10361268
                                 Α
                                         20031224
      US 2004-607362P
                                 Р
                                         20040907
                                 W
                                         20041210
      WO 2004-EP14082
os
      CASREACT 143:131934
```

- AB The invention relates to a process for preparing L-amino acids by fermenting recombinant microorganisms of the Enterobacteriaceae family. The microorganisms are characterized by the overexpression or enhancement of the yaaU ORF. The desired L-amino acid is isolated, with, optionally, constituents of the fermn. broth, and/or the biomass remaining in the isolated product.
- L5 ANSWER 4 OF 6 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN
- AN 1994:24337732 BIOTECHNO
- TI Large scale, in situ isolation of periplasmic IGF-I from E. coli
- AU Hart R.A.; Lester P.M.; Reifsnyder D.H.; Ogez J.R.; Builder S.E.
- CS Department of Recovery Sciences, Genentech Inc., 460 Pt. San Bruno Blvd., South San Francisco, CA 94080-4918, United States.
- SO Bio/Technology, (1994), 12/11 (1113-1117)
- CODEN: BTCHDA ISSN: 0733-222X
- DT Journal; Article
- CY United States
- LA English
- SL English
- Human insulin-like growth factor I (IGF-I) accumulates in both folded and AB aggregated forms in the fermentation medium and cellular periplasmic space when expressed in E. coli with an endogenous secretory signal sequence. Due to its heterogeneity in form and location, low yield of IGF-I was obtained using a typical refractile body recovery strategy. To enhance recovery yield, a new procedure was developed to solubilize and extract IGF-I from cells while in fermentation broth. This method, called in situ solubilization, involves addition of chaotrope and reductant to alkaline fermentation broth and provides recovery of about 90% of all IGF-I in an isolated supernatant. To further enhance recovery, a new aqueous two-phase extraction procedure was developed which partitions soluble non-native IGF-I and biomass solids into separate liquid phases. This two-phase extraction procedure involves addition of polymer and salt to the solubilization mixture and provides about 90% recovery of solubilized IGF-I in the light phase. The performance of the solubilization and aqueous extraction procedures is reproducible at scales ranging from 10 to 1000 liters and provides a 70% cumulative recovery yield of IGF-I in the isolated light phase. The procedure provides significant initial IGF-I purification since most host proteins remain cell associated during solubilization and are enriched in heavy phase. ELISA analysis for E. coli proteins indicates that 97% of the protein in the light phase is IGF-I. Together, the techniques of in situ solubilization and aqueous two-phase extraction provide a new, high yield approach for isolating recombinant protein which is accumulated in more than one form during fermentation.
- L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1995:235759 CAPLUS
- DN 122:88279
- TI Use of crude whey by Kluyveromyces marxianus and by Yarrowia lipolytica to reduce pollution of effluents.
- AU De Felice, B.; Scioli, D.
- CS Dipartimento di Fisiologia generale e ambientale, Universita degli Studi di Napoli, Naples, Italy
- SO Annali di Microbiologia ed Enzimologia (1994), 44(Pt. 1), 65-72 CODEN: AMEZAB; ISSN: 0003-4649
- PB Universita degli Studi di Milano
- DT Journal
- LA English
- AB The ability of Kluyveromyces marxianus to transform whey for maximum biomass production and the ability of Yarrowia lipolytica to reduce pollution in fermentation effluent was examined Kluyveromyces marxianus, isolated

from industrial wastes, was cultivated in a fermenter using

undeproteinized, undiluted, supplemented Mozzarella cheese whey. Lactose content, ethanol, biomass, and COD reduction by Kluyveromyces marxianus were determined. In 12 h at pH 4.5, Kluyveromyces marxianus gave a biomass content of 22 g/L, with a protein content of 48%. Gas chromatog. indicated formation of several volatile compds. in the fermn. broth: acetaldehyde, Et alc., n-propanol, butanol, and isoamyl alc. Yarrowia lipolytica was grown in the fermentation effluent after removing Kluyveromyces cells and effectively reduced COD in Kluyveromyces effluent in 48 h.

- L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1984:437494 CAPLUS
- DN 101:37494
- TI Protein quality of bacterial biomass (Bac. mucilaginosus) and results of its use in feeding domestic animals
- AU Wecke, Christian; Vinogradov, J. J.; Chochrin, Savva N.; Koehler, Rosemarie; Gebhardt, Guenter
- CS Sekt. Tierprod. Veterinaermed., Karl-Marx-Univ., Leipzig, DDR-7022, Ger. Dem. Rep.
- SO Wissenschaftliche Zeitschrift Karl-Marx-Universitaet Leipzig, Mathematisch-Naturwissenschaftliche Reihe (1983), 32(6), 601-5 CODEN: WZMNA8; ISSN: 0043-6860
- DT Journal
- LA German

=>

AB Dried biomass of Bacillus mucilaginosus contained 666 g dry matter/kg, and its lysine and methionine + cystine contents were 41 and 17 g/kg dry weight, resp. In protein quality it was inferior to Methanobacterium, but was comparable to other bacteria and to mixed cultures from fermn. of wood waste, liquid manure, and sulfite liquor. It was an effective feed supplement in feeding expts. on calves, chickens, and swine.

- L9 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1984:437494 CAPLUS
- DN 101:37494
- TI Protein quality of bacterial biomass (Bac. mucilaginosus) and results of its use in feeding domestic animals
- AU Wecke, Christian; Vinogradov, J. J.; Chochrin, Savva N.; Koehler, Rosemarie; Gebhardt, Guenter
- CS Sekt. Tierprod. Veterinaermed., Karl-Marx-Univ., Leipzig, DDR-7022, Ger. Dem. Rep.
- SO Wissenschaftliche Zeitschrift Karl-Marx-Universitaet Leipzig, Mathematisch-Naturwissenschaftliche Reihe (1983), 32(6), 601-5 CODEN: WZMNA8; ISSN: 0043-6860
- DT Journal
- LA German
- AB Dried biomass of Bacillus mucilaginosus contained 666 g dry matter/kg, and its lysine and methionine + cystine contents were 41 and 17 g/kg dry weight, resp. In protein quality it was inferior to Methanobacterium, but was comparable to other bacteria and to mixed cultures from fermn. of wood waste, liquid manure, and sulfite liquor. It was an effective feed supplement in feeding expts. on calves, chickens, and swine.

L9

(FILE 'HOME' ENTERED AT 17:50:19 ON 12 DEC 2006)

5 DUP REM L8 (0 DUPLICATES REMOVED)

FILE 'AGRICOLA, BIOSIS, BIOTECHNO, CABA, CAPLUS, DISSABS, FOMAD, FOREGE, FROSTI, FSTA, JICST-EPLUS, NTIS, NUTRACEUT, PASCAL, PROMT, SCISEARCH, TOXCENTER' ENTERED AT 17:50:55 ON 12 DEC 2006

	INCOLL, ID.	111, 02001 11200, 11220, 1101102021, 1110012, 1110111, 102021111111
	TOXCENTER'	ENTERED AT 17:50:55 ON 12 DEC 2006
L1	159	S (CYSTEINE OR CYSTINE OR THIAZOLIDINE) AND FERMENTATION (10A)
L2	97	DUP REM L1 (62 DUPLICATES REMOVED)
L3	2	S L2 AND ANIMAL FEED
L4	6	S L2 AND BIOMASS
L5	6	DUP REM L4 (0 DUPLICATES REMOVED)
L6	9	S L2 AND SALT
L7	9	DUP REM L6 (0 DUPLICATES REMOVED)
L8	5	S L2 AND FEED